

**ABSTRACT**

5       The beam pattern associated with a multi-beam antenna array is adjusted if a first beam of the beam pattern is overloaded. A lobe of a second beam of the beam pattern can be steered away from a main lobe of the first beam. Also, if a user is located in an area covered by a second beam which is adjacent to the first beam, a third beam of the beam pattern can be selected for effectuating communication with the user. If a user is located in an area covered by the first beam, another beam of the beam pattern can be selected for effectuating communication with the user.